AMENDMENTS TO THE CLAIMS

1.-10. **(CANCELED)**

11. **(CURRENTLY AMENDED)** An inflatable compression device comprising:

a. an inextensible outer sheet; and

b. an inner sheet extending at least substantially parallel to the outer sheet;

wherein:

(1) the inner and outer sheet include ~~**adjacent**~~ facing surfaces **situated directly adjacent each other and being** bounded by peripheral edges, the facing surfaces having joined areas extending at least about their peripheral edges, with the facing surfaces being separated adjacent the joined areas;

(2) an inflatable bladder is situated between the inner and outer sheets, with:

(a) the bladder being ~~**situated on**~~ **physically joined to** the facing surface of the outer sheet,

(b) the facing surface of the inner sheet ~~**being spaced away from the interior of**~~ **not being physically joined to** the inflatable bladder, and

(c) joined areas **of the facing surfaces** being situated about the inflatable bladder.

12. **(PREVIOUSLY PRESENTED)** The inflatable compression device of claim 11 wherein the bladder is spaced from at least a portion of the joined areas.

13. **(CANCELED)**

14. **(ORIGINAL)** The inflatable compression device of claim 11 further comprising heating elements on or within the inner sheet.

15. **(ORIGINAL)** The inflatable compression device of claim 14 wherein the entirety of the inner sheet is heated.

16. **(CANCELED)**

17. **(ORIGINAL)** The inflatable compression device of claim 11 further comprising a pump in communication with the bladder, the pump cyclically providing gas to and removing gas from the bladder, wherein the pump repeatedly:

a. provides gas to the bladder for up to 2/10 of a minute; and

b. subsequently removes at least some of the gas from the bladder for the remainder of the minute.

18. **(ORIGINAL)** The inflatable compression device of claim 11 wherein the pump provides gas to the bladder at a pressure of no greater than approximately 60mmHg.

19. **(CURRENTLY AMENDED)** An inflatable compression device including flexible inner and outer sheets having:

i. adjacent facing surfaces, with the facing surface of each sheet defining at least a major portion of the sheet's area; and

ii. peripheral edges bounding the facing surfaces, wherein the inner and outer sheets are joined at least at the peripheral edges,

with the inner and outer sheets extending across:

a. a noninflatable area wherein the facing surfaces of the inner and outer sheets are adjacently situated;

b. an inflatable area adjacent the noninflatable area, the inflatable area including an inflatable bladder **directly** between the inner and outer sheets, with the bladder:

(1) being ~~**affixed**~~ **physically joined** to the outer sheet, and

(2) not being ~~**affixed**~~ **physically joined** to the inner sheet.

20. **(PREVIOUSLY PRESENTED)** The inflatable compression device of claim 19 wherein at least a substantial portion of the inner sheet defines a heating element.

21. **(CURRENTLY AMENDED)** The inflatable compression device of claim 20 wherein the heating element includes **electrically** conductive material.

22. **(PREVIOUSLY PRESENTED)** The inflatable compression device of claim 19 wherein the noninflatable area includes a flap having a fastener thereon.

23. **(PREVIOUSLY PRESENTED)** The inflatable compression device of claim 19 wherein the noninflatable area bears fasteners thereon, whereby the fasteners of the noninflatable area can be joined such that the compression device is defined by a closed loop bearing the inflatable area and the joined noninflatable areas.

24. **(PREVIOUSLY PRESENTED)** The inflatable compression device of claim 23 wherein the outer sheet is formed of inextensible material.

25. **(CURRENTLY AMENDED)** An inflatable compression device including an at least substantially planar flexible body, the body including:

a. an inflatable bladder, and

b. noninflatable portions located at least on opposite sides of the inflatable bladder, the noninflatable portions bearing fasteners whereby the noninflatable portions **~~may be~~** **are configured to be** fastened together about the circumference of a limb with the inflatable bladder being situated along the circumference of the limb;

the body being formed of joined inner and outer sheets**, the sheets being situated directly adjacent each other** with the bladder being

(1) situated therebetween, **and**

(2) **physically joined to the outer sheet,**

and with the inner sheet:

(1) not being **physically** joined to the bladder, and

(2) including a heating element.

26. **(CANCELED)**

27. **(CURRENTLY AMENDED)** The inflatable compression device of claim 25 wherein the heating element:

a. extends across at least a major portion of the inner sheet, and

b. includes **electrically** conductive material.

28. **(PREVIOUSLY PRESENTED)** The inflatable compression device of claim 25 wherein the heating element extends across the entirety of the inner sheet.

29. **(PREVIOUSLY PRESENTED)** The inflatable compression device of claim 25 wherein the outer sheet is formed of inextensible material.

30. **(NEW)** The inflatable compression device of claim 25 wherein one or more locations at which the outer sheet is joined to the bladder are spaced away from locations at which the outer sheet is joined to the inner sheet.

31. **(NEW)** The inflatable compression device of claim 19 wherein one or more locations at which the outer sheet is joined to the bladder are spaced away from locations at which the outer sheet is joined to the inner sheet.